Original/Duplicate/Triplicate AEE/SSD/SBR/000056 dt 30/01/18

CONTRACT CERTIFICATE

(For other words)

No: **First/Part/Final** Date: .....

Division :DASARAHALLI DIVISION

Bill received No .....Dated..... Sub division:..... Book voucher No.....

Dated.....Scheduled Docket No..... Head of Account.....

Name of work (as per Sanctioned Estimate) **Drilling of borewells and Providing pump motor at Chikkasandra, Medarahalli Villages and Surrounding Area in Ward No.12, Shettyhalli Sub Division..**

Name of contractor and full address/s: **Technical Manager (West), M//s KRIDL Bangalore,**

Reference to Agreement No. EE/DD/WO/108/2017-18, Dated:07.12.2017.

Certified that the measurements were taken by me on 25/01/2018 and recorded in pages: 58901-58918 Measurements Book No: 590/17-18 and that the work is satisfaction executed.

Contractor. Officer-in-charge of work.

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Certified that the measurements were taken by me on 25/1/2018 and found correct. The work is satisfactorily executed Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of payment **Work Code No.012-18-000026** ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು Sub-Division Officer

		AMOUNT	
1	Total value of work done or Supplies made as per account.	1st and finall Bill → 3942726=00	
2	Deduct amount to be held in reserve being .....percent Rs.....	IT → 78855=00	
3	Deduct amount to be held in reserve being balance	LWC → 3942=00	
4	Deduct payments:	FSD → 19736=00	(-) 319361=00
	c) Amount of previous payment as in the office cash book voucher No.....Dated.....S.D.No.....		
	Amount adjusted towards cash advance recovery of		
	d) Payment cost store or other materials supplied.		
5	Balance being unpaid value of work done held in reserve	Total.....	
6	Deduct cash advance made on the office cash book vehicle No.....Dated.....less adjustments.	CBF → 3943=00	
7	Net amount due to or from contractor unadjusted items		
8	Advance to contractor for materials brought to site (as detailed) Within value of Government materials supplied.		362336=00
	Total amount adjusted:		

Contractor signature

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Received Rs.....(In words).....

By cash and by adjustment of Payment as per memorandum. (for use in the office)

(In final settlement of all demand)

Witness:

1. P-1802

2.

Audited and admitted for Rs 3942726=00

Date:

Passed by Chargeable Rs 3623365=00

Paid by me by cheque No.....Dated.....

Cash Rs.....dated.....

Initials of officer making payment dated.....

First/Part/Final 319361=00

By .....

Accounts Officer Exec. Engineer BBMP Dasarahalli Division

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Contractor Signature

Executive Engineer.

Sl No	Description of Items	Unit
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., Complete as per specfications. and direction of Engineer-in-charge of the work.	nos
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc., Complete as per specfications. and direction of Engineer-in-charge of the work.	
a	0.00 to 50.00 Mtr.	Mtr
b	50.00 to 100.00 Mtr.	Mtr
c	100.00 to 150.00 Mtr.	Mtr
d	150.00 to 200.00 Mtr.	Mtr
e	200.00 to 250.00 Mtr.	Mtr
f	250.00 to 300.00 Mtr.	Mtr
g	300.00 to 350.00 Mtr.	Mtr
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr
4	Providing and fixing 250mm dia PVC pipe and as per specification and directions. Complete as per specfications. and direction of Engineer-in-charge of the work.	Each
5	175 mm dia M.S. Casing cap Complete as per specfications. and direction of Engineer-in-charge of the work.	Each
6	supply of 175mm M.S collars each Complete as per specfications. and direction of Engineer-in-charge of the work.	Each
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000. HP 25 stage Complete as per specfications. and direction of Engineer-in-charge of the work.	set
8	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe Complete as per specfications. and direction of Engineer-in-charge of the work.	Rmt

Previous Measurement			Present Measurement			Total Up-to-Date		Remarks
Qty	Rate	Cost	Qty	Rate	Cost	Qty	Cost	
			5.00	1882.00	9410.00	5.00	9410.00	
			250.00	315.18	78795.00	250.00	78795.00	
			250.00	412.60	103150.00	250.00	103150.00	
			250.00	458.35	114587.50	250.00	114587.50	
			250.00	484.10	121025.00		121025.00	
			250.00	560.32	140080.00		140080.00	
			250.00	600.00	150000.00		150000.00	
			250.00	640.60	160150.00		160150.00	
			345.00	1325.00	457125.00		457125.00	
			90.00	1133.00	101970.00		101970.00	
			5.00	100.00	500.00		500.00	
			250.00	150.00	37500.00		37500.00	
			78=00 5.00	11700=00 69334.60	346673.00		11700=00 346673.00	
			1375.00	340.26	467857.50		467857.50	

9	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr
10	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter Complete as per specfications. and direction of Engineer-in-charge of the work.	no
11	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. Complete as per specfications. and direction of Engineer-in-charge of the work.	Sqm Cm
12	Providing & Fixing of clamps set and borewell cap to the pump Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
13	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
14	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
15	Providing and fixing of 50mm GI Shortbend to motor Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
16	Providing and fixing of 50mm GI union to the motor Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
17	suppling & fixing of 50mm GI Elbow Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
18	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) Complete as per specfications. and direction of Engineer-in-charge of the work.	Per length
19	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
20	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
21	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr
22	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr

			2875.00	164.29	472333.75		472333.75	
			5.00	14800.00	74000.00		74000.00	
			110000.00	0.34	37400.00		37400.00	
			5.00	690.00	3450.00		3450.00	
			5.00	1213.70	6068.50		6068.50	
			5.00	1696.00	8480.00		8480.00	
			5.00	232.14	1160.70		1160.70	
			5.00	237.12	1185.60		1185.60	
			5.00	111.80	559.00		559.00	
			300.00	90.64	27192.00		27192.00	
			5.00	485.00	2425.00		2425.00	
			5.00	906.40	4532.00		4532.00	
			200.00	169.95	33990.00		33990.00	
			200.00	56.65	11330.00		11330.00	

23	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr
24	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
25	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
26	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR) Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
27	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
28	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches Complete as per specfications. and direction of Engineer-in-charge of the work.	No's
29	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum
30	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr
31	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum
32	Erection of pumping machineries Complete as per specfications. and direction of Engineer-in-charge of the work.	No's

CERTIFICATE

1 Certified that Contractor has done the Work Satisfactorly.

2 Certified that Contractor has removed all debries from work spot.

3 There is no dpt meterials issued to contractor.

			15.00	249.26	3738.90		3738.90	
			5.00	1699.50	8497.50		8497.50	
			5.00	271.92	1359.60		1359.60	
			5.00	1350.00	6750.00		6750.00	
			15.00	1526.40	22896.00		22896.00	
			5.00	311.58	1557.90		1557.90	
			980.10	283.02	277387.90		277387.90	
			1815.00	123.00	223245.00		223245.00	
			980.10	76.32	74801.23		74801.23	
			5.00	900.00	4500.00		4500.00	
				Bescom Deposit & Meter Charges	49450.00		49450.00	
				TOTAL Rs.	3647113.58		3647113.58	
				KRIDL Charges 9%	328240.22		328240.22	
				GRAND TOTAL Rs.	3975353.81		3975353.81	

35 71813 =00

KRIDL 9-1 → 324463 =00

Bescom Charges - 49450 =00

3942426 =00

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಕೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಶಾಖೆ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು